

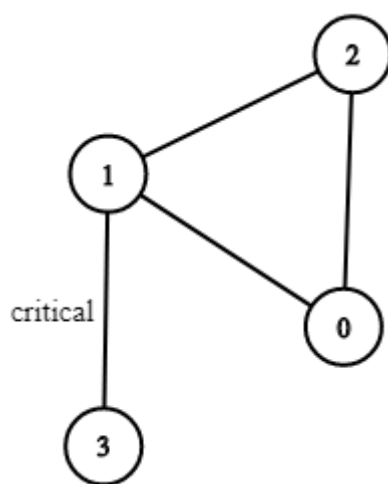
Critical Connections in a Network (View)

There are n servers numbered from 0 to $n - 1$ connected by undirected server-to-server `connections` forming a network where `connections[i] = [ai, bi]` represents a connection between servers a_i and b_i . Any server can reach other servers directly or indirectly through the network.

A *critical connection* is a connection that, if removed, will make some servers unable to reach some other server.

Return all critical connections in the network in any order.

Example 1:



Input: $n = 4$, `connections = [[0,1],[1,2],[2,0],[1,3]]`

Output: `[[1,3]]`

Explanation: `[[3,1]]` is also accepted.

Example 2:

Input: $n = 2$, `connections = [[0,1]]`

Output: `[[0,1]]`

Constraints:

- $2 \leq n \leq 10^5$
- $n - 1 \leq \text{connections.length} \leq 10^5$
- $0 \leq a_i, b_i \leq n - 1$
- $a_i \neq b_i$
- There are no repeated connections.